



Dell™ Inspiron™ 580s: Comprehensive Specifications

This document provides information that you may need when setting up, updating drivers for, and upgrading your computer.

 **NOTE:** Offerings may vary by region. For more information regarding the configuration of your computer, click **Start**  → **Help and Support** and select the option to view information about your computer.

Processor Type	
Inspiron 580s	• Intel® Pentium® • Intel Core™ i3 • Intel Core i5
Computer Information	
System chipset	Intel H57
Memory	
Memory connector	four internally-accessible DDR3 DIMM sockets
Memory-module capacities	1 GB, 2 GB, and 4 GB
Memory type	1066-MHz or 1333-MHz DDR3 DIMM; non-ECC memory only
Memory configurations supported	4 GB, 6 GB, and 8 GB NOTE: Memory configurations of more than 4 GB require a 64-bit operating system.

Drives	
Externally accessible	• one 5.25-inch bay for SATA DVD-ROM, SATA DVD +/- RW Super Multi Drive, or Blu-ray Disc™ combo drive • one 3.5-inch FlexBay for an optional Media Card Reader
Internally accessible	two 3.5-inch bays for SATA hard drives

External Connectors	
Audio	front panel — one headphone and one microphone connector back panel — six connectors for 7.1 channel support
Network adapter	one RJ45 connector
USB	two front panel and four back panel USB 2.0-compliant connectors
Video	one 15-pin VGA connector and one 19-pin HDMI connector

System Board Connectors	
Memory	four 240-pin connectors
PCI	one 124-pin connector (supports half-height cards)
PCI Express x1	two 36-pin connectors (supports half-height cards)
PCI Express x16	one 164-pin connector (supports half-height cards)
Power (System board)	one 24-pin EPS 12V connector (ATX-compatible)
Processor fan	one 4-pin connector
Chassis fan	one 3-pin connector
Front/Internal USB connector	two 9-pin connectors

System Board Connectors <i>(continued)</i>	
Front audio connector	one 9-pin connector for 2-channel stereo sound and microphone
SATA	four 7-pin connectors
Communications	
Modem (optional)	PCI modem
Wireless (optional)	PCI Express WiFi card supporting 802.11a/b/g/n
Video	
Integrated	Intel GMA HD
Discrete	PCI Express x16 card (optional)
Audio	
Audio type	integrated 7.1 channel, High Definition Audio
Expansion Slots	
PCI	
Connectors	one
Connector size	124-pin
Connector data width (maximum)	32 bit
Bus speed	33 MHz
PCI Express x1	
Connectors	two
Connector size	36-pin
Connector data width (maximum)	1 PCI Express lane
Bus speed	500 MB/s (bi-directional)

Expansion Slots *(continued)*

PCI Express x16

Connector	one
Connector size	164-pin
Connector data width (maximum)	16 PCI Express lanes
Bus speed	16 GB/s (bi-directional)

Battery

Coin-cell battery	3-V CR-2032 lithium
-------------------	---------------------

Power

Wattage	250 W
Maximum heat dissipation	1312 BTU/Hr
Input voltage	115/230 VAC
Input frequency	50/60 Hz
Rated output current	6/3 A

Physical

Height	377.9 mm (14.88 inches)
Width	106 mm (4.16 inches)
Depth	431.3 mm (16.98 inches)
Weight (starting at)	7.3 kg (16.1 lb)

Computer Environment

Temperature range	
Operating	10°C to 35°C (50°F to 95°F)
Storage	–40° to 65° C(–40° to 149°F)
Relative humidity (maximum)	20% to 80% (non-condensing)

Computer Environment (*continued*)

Maximum vibration (using a random vibration spectrum that simulates user environment)

Operating	0.25 GRMS
-----------	-----------

Non-Operating	2.2 GRMS
---------------	----------

Maximum shock (for operating — measured with Dell Diagnostics running on the hard drive and a 2-ms half-sine pulse; for non-operating — measured with hard drive in head-parked position and a 2-ms half-sine pulse)

Operating	40G for 2 ms with a change in velocity of 20 in/s (51 cm/s)
-----------	---

Non-Operating	50G for 26 ms with a change in velocity of 320 in/s (813 cm/s)
---------------	--

Altitude (maximum)

Operating	–15.2 to 3048 m (–50 to 10,000 ft)
-----------	------------------------------------

Storage	–15.2 to 10,668 m (–50 to 35,000 ft)
---------	--------------------------------------

Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985
----------------------------	---

Information in this document is subject to change without notice.

© 2009 Dell Inc. All rights reserved.

Reproduction of these materials in any manner whatsoever without the written permission of Dell Inc. is strictly forbidden.

Trademarks used in this text: *Dell*, the *DELL* logo, and *Inspiron* are trademarks of Dell Inc.; *Intel* and *Pentium* are registered trademarks and *Core* is a trademark of Intel Corporation in the U.S. and other countries; *Microsoft* and *Windows* are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries; *Blu-ray Disc* is a trademark of the Blu-ray Disc Association.

Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

